

Claims

1. A composition which comprises one or more hydrolases and one or more antioxidants which are
5 selected from vitamins having antioxidant activity, carotenoids, selenium-containing substances, ubiquinones.
2. A composition which comprises one or more
10 hydrolases and one or more amino acids.
3. A composition which comprises one or more hydrolases and one or more polysaccharides.
- 15 4. A composition which comprises one or more hydrolases, one or more amino acids and one or more polysaccharides.
- 20 5. The composition as claimed in claim 1, characterized in that it comprises one or more polyphenols, one or more flavonoids and/or one or more flavonoid-containing substances.
- 25 6. The composition as claimed in claim 1 or 5, characterized in that it comprises one or more amino acids and/or one or more polysaccharides.
- 30 7. The composition as claimed in any of claims 2, 3 and 4, which comprises one or more flavonoids and/or one or more flavonoid-containing substances.
- 35 8. The composition as claimed in any of claims 1 to 7, characterized in that the hydrolase(s) involved are plant proteases and/or animal proteases.
9. The composition as claimed in claim 8, characterized in that the plant protease(s) is/are

5 selected from bromelain, bromelain-containing
pineapple extracts, papain, papain-containing
papaya extracts, and in that the animal
protease(s) is/are selected from trypsin and
chymotrypsin.

10 10. The composition as claimed in any of claims 1 and
5 to 9, characterized in that the vitamin(s)
having antioxidant activity is/are selected from
vitamin A, C and E and the esters of vitamin A and
E.

15 11. The composition as claimed in any of claims 1 and
5 to 10, characterized in that the selenium-
containing substance(s) having antioxidant
activity is/are selected from selenium yeast,
alkali metal selenites such as sodium selenite,
alkaline earth metal selenites such as magnesium
selenite, or ammonium selenite, and the
20 corresponding selenates.

25 12. The composition as claimed in any of claims 5 to
11, characterized in that the flavonoid(s) is/are
selected from flavones, flavonols, flavanols,
isoflavanols.

30 13. The composition as claimed in claim 12, where the
flavonoids comprise quercetin, rutin, hesperetin,
pinocembrin, taxifolin, chrysin, luteolin,
kaempferol, rhamnetin.

35 14. The composition as claimed in any of claims 5 to
11, where the flavonoid-containing substance(s)
is(are) selected from onion powder, buckwheat
extracts, grapeseed flavonoids and citrus
flavonoids.

15. The composition as claimed in any of claims 1, 5,
6 and 8 to 14, where the ubiquinone is coenzyme

Q10.

16. The composition as claimed in any of claims 1, 5,
5 6 and 8 to 15, where the carotenoids comprise
carotene, lycopene, neurosporin, phytofluene,
phytoene, xanthophyll, violaxanthin, crocetin,
astaxanthin, capsanthin.
17. The composition as claimed in any of claims 2, 4,
10 6 to 16, characterized in that the amino acid(s)
is(are) selected from L-arginine and its acid
addition salts, glycine, L-glutamine and its
amides, L-methionine.
18. The composition as claimed in any of claims 3, 4,
15 6 to 17, characterized in that the
polysaccharide(s) are selected from amylose,
pustulan, dextran, amylopectin, cellulose,
arabans, fructans, glucans such as β -glucan,
20 mannans, glycogen, chitin, pectins.
19. The composition as claimed in claim 1, which
comprises papain, bromelain, lycopene, vitamin E
acetate, vitamin A acetate and sodium selenite as
25 active constituents.
20. The composition as claimed in claim 5, which
comprises papain, bromelain, lycopene, vitamin E
acetate, β -carotene, grapeseed flavonoids and
30 sodium selenite as active constituents.
21. The composition as claimed in claim 5, which
comprises papain, bromelain, vitamin E acetate, a
rutin-containing buckwheat extract, quercetin-
35 containing onion powder and L-arginine as active
constituents.
22. The composition as claimed in claim 6, which
comprises papain, bromelain, β -carotene, citrus

flavonoids, β -glucan and L-arginine as effective constituents.

23. The composition as claimed in any of claims 19 to
5 22, which comprises: trypsin or chymotrypsin or pepsin; trypsin + chymotrypsin; trypsin + chymotrypsin + pepsin; chymotrypsin + pepsin; trypsin + pepsin.
- 10 24. A food product for food supplementation, in particular a supplementary balanced diet, for strengthening the immune defenses or the body's defenses, for treating inflammatory and
15 inflammatory-rheumatic disorders, for regulating the immune system in situations of physical and/or mental stress, for strengthening the immune system before, during and/or after an oncolytic treatment or for reducing the risk of tumor recurrences and
20 secondaries, which comprises a composition as claimed in any of claims 1 to 23 or consists of such a composition.
25. A medicament which comprises a composition as
25 claimed in any of claims 1 to 23 or consists of such a composition, for strengthening the immune defenses or the body's defenses, for treating inflammatory and inflammatory-rheumatic disorders, for regulating the immune system in situations of
30 physical and/or mental stress, for strengthening the immune system before, during and/or after an oncolytic treatment or for reducing the risk of tumor recurrences and secondaries.
26. The use of a composition as claimed in any of
35 claims 1 to 23 for food supplementation, dietetic treatment, in particular for a supplementary balanced diet, for regulating the immune system in situations of physical and/or mental stress, for strengthening the immune defenses or the body's

5 defenses, for treating inflammatory and
inflammatory-rheumatic disorders, for
strengthening the immune system before, during
and/or after an oncolytic treatment or for
reducing the risk of tumor recurrences and
secondaries.

10 27. The use of a composition as claimed in any of
claims 1 to 23 for producing the medicament as
claimed in claim 25.